



## PATENT ABSTRACTS OF JAPAN

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(71) Applicant: HITACHI PLANT ENG & CONSTR  
CO LTD

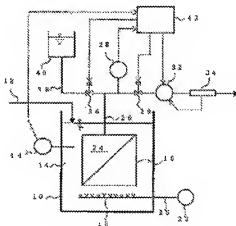
(72) Inventor: TAKEMURA KIYOKAZU  
ONISHI MASATO

(54) FILM SEPARATOR

(57) Abstract:

**PROBLEM TO BE SOLVED:** To relatively stabilize an operation even when an intermittent operation is continued for a long period of time and to relatively reduce mechanical shocks to device components.

**SOLUTION:** In a film separator, a film element 16 is immersed in a liquid tank 10 filled with a liquid 14 to be treated and the intermittent operation of repeating filtering operation and filtering stoppage in the film element 16 is performed. In the film separator, suction is performed so as to fix the flow rate of a film transmission liquid at the time of the filtering operation of the film element 16. A suction pressure at the time is detected in a manometer 28 and a controller 42 changes the cycle of the intermittent operation corresponding to a detected result.



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